

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/015710

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ C07D213/89, A01N43/40, A61K7/06, C08K5/56, C09D5/16, 201/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ C07D213/89, A01N43/40, A61K7/06, C08K5/56, C09D5/16, 201/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4001240 A (Ube Industries, Ltd.), 04 January, 1997 (04.01.97), Full text & JP 51-95078 A & GB 1461742 A & DE 2533210 A	1-18
A	JP 53-118518 A (Ube Industries, Ltd.), 17 October, 1978 (17.10.78), Full text (Family: none)	1-18

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
13 December, 2004 (13.12.04)Date of mailing of the international search report
28 December, 2004 (28.12.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/015710

<Subject of international search>

Compounds other than $(\text{Py})_2\text{Zn} \cdot 1/3\text{ZnO}$ and $(\text{Py})_2\text{Cu} \cdot 1/3\text{CuO}$ (pure substance obtained by atom-to-atom chemical bond (covalent bond, metallic bond, ionic bond, coordinate bond, etc.), not being a composition or mixture) are not concretely described in the description.

Whether what is represented by the general formula (I) can exist as a compound is not technical common knowledge of persons skilled in the art to which the invention pertains.

Since when the type of metal, presence of anion or water molecule, ratio thereof, etc. are changed, the interaction therebetween would be changed, it cannot be presumed that all those of the general formula (I) can exist as compounds.

Consequently, it cannot be stated that the compounds of claim 1, etc. are fully supported by the description.

As claim 1, etc. of this application are not fully supported by the description, any relevance to prior art with respect to the entirety of claim 1, etc. cannot be appropriately judged.

Therefore, an international search report has been established only on those of claims 1-18 wherein the complex compound is $(\text{Py})_2\text{Zn} \cdot 1/3\text{ZnO}$ or $(\text{Py})_2\text{Cu} \cdot 1/3\text{CuO}$ (including mixture containing the same as an ingredient).